## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Huang et al.

CASE NO.: CL1942 US NA

**APPLICATION NO.: 10/630,262** 

GROUP ART UNIT: UNKNOWN

FILED: JULY 30, 2003

**EXAMINER: UNKNOWN** 

FOR: FUNCTIONALIZED NANOPARTICLES

## INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents Washington, D.C. 20231

Sir:

In compliance with 37 CFR 1.97 and 1.98, Applicants bring to the attention of the U.S. Patent and Trademark Office information listed on the enclosed PTO/SB/08A and PTO/SB/08B. A copy of the information is also enclosed.

In accordance with the provision of 37 CFR 1.97(e)(I), I hereby certify that the items of information contained in this Information Disclosure Statement were cited in a communication from a foreign application not more than three months prior to the filing of this statement.

Should any fee be required in connection with the filing of this Information Disclosure Statement, please charge such fee to Deposit Account No. 04-1928 (E. I. du Pont de Nemours and Company).

Respectfully submitted

S. NEIL FELTHAM

Attorney for Applicant(s) Registration No. 36,506

Telephone: (302) 992-6460 Facsimile: (302) 892-7949

Dated: 9/22/04 Enclosures

I HEREBY CERTIFY THAT THIS PAPER IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL IN AN ENVELOPE ADDRESSED TO: COMMISSIONER FOR PATENT, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450, ON THIS DATE.

9/23/04

MARY BETH PITCHER

PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

## **INFORMATION DISCLOSURE** STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet of 2

Complete if Known			
Application Number	10/630,262		
Filing Date	July 30, 2003		
First Named Inventor	Huang et al.		
Group Art Unit	up Art Unit Unknown		
Examiner Name Unknown			
Attorney Docket Number	CL1942 US NA		

				U.S. PATENT DOCUM	MENTS	
Examiner Cite No.1		Number Kind Code <sup>2</sup> (if known)		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relev Passages or Relevant Figures Appear
		5,688,486		Nycomed Salutar, Inc.	11/18/1997	
		5,922,537		NoAB Immunoassay, Inc.	07/13/1999	
		6,207,195	B1	John Hopkins Univ.	03/27/2001	
		6,048,515		Institut fur Diagnostikforschung GmbH	04/11/2000	
	Į.	6,149,868		Natan et al.,	11/21/2000	
		6,235,540	B1	Silman et al.	05/22/2001	
		5,451,505		Dollinger et al.	09/19/1995	
		3,772,200		Livesay et al.	11/13/1973	
		4,053,433		Lee	10/11/1977	
		4,390,452		Stevens et al.,	06/28/1983	
	·					

	FOREIGN PATENT DOCUMENTS							
Examiner	Cite	Foreign Patent Document			Name of Patentee	Date of Publication of	Pages, Columns, Lines,	
Initials*	No.1	Office <sup>3</sup>		(ind Code <sup>5</sup> (if known)	or Applicant of Cited Document	Cited Document MM-DD-YYYY	Where Relevant Passages or Relevant Figures Appear	T <sub>6</sub>
		wo	97/15390	A1	University of Hertfordshire	05/01/1997	-	
			<u></u>	1				
		ļ					_	
			ļ					
				Ì				

	<del></del>	
Examiner Signature	Date Considered	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

<sup>1</sup> Unique citation designation number. 2 See attached Kinds of U.S. Patent Documents. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). \* For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the senal number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark hee if English language Translation is attached.

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

stitute for form 1449A/PTO

 FORMATION DISCLOSURE TATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet of

Complete if Known			
Application Number	10/630,262		
Filing Date	July 30, 2003		
First Named Inventor	Huang et al.		
Group Art Unit	Unknown		
Examiner Name	Unknown		
Attorney Docket Number	CL1942 US NA		

		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
		Martin, C. R. Membrane-Based Synthesis of Naomaterials. Chem. Mater. 1996, Vol.ume 8, pp. 1739-1746	
		Martin et al., Orthogonal Self Assembly on Colloidal Gold-Platinum Nanorods. Advanced Material. 1999, vol. 11, PP. 1021-1025	
		Piraux et al., Giant Magnetoresistance in magnetic multilayered nanowires. Appl. Phys. Lett. 11/07/1994, Vol. 65, Number 19, pp. 2484-2486	
		Blondel et al., Giant magnetoresistance of nanowires of multilayers. Appl. Phys. Lett. 12/05/1994, Vol. 65, No. 23, pp. 3018-3021	
		·	
,			
•			
	-		

Examiner	Date
Signature	Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.